Index of Claims

Application/Control No.

09/993,486

Examiner

Vitali Korobov

Applicant(s)/Patent under Reexamination

WATANABE ET AL.

Art Unit

2155

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N ı Interference

Appeal Α 0 Objected

| | | | _ | | | | | 1 | 'ـــــا | |
|-------------|--|--|--|--------------|----------|--------------------|--|--------------------|--------------|----------------|
| Cla | im | 1 | | | | Date | | | | |
| Ule | | \vdash | | Γ | | Jack | | | | \vdash |
| _ | Original | φ | မွ | | | | | | | |
| Final | ġ | 1/8/06 | 7/4/06 | | | | | | | |
| ш | Ö | 7 | 12 | | | | | | | |
| | | | L | L | | | | | | Ш |
| | _1_ | <u>.</u> | Ŀ | | | | | | | |
| | 1 2 3 4 5 | - | <u> </u> | | | | | | | |
| | 3 | - | - | | | | | | | |
| | 4 | - | - | | | | | | | |
| | 5 | - | · | · · | | | | | | |
| | 6 | - | - | | | | | | | |
| | 7 | - | - | | | | | | | |
| | 8 | - | - | | | _ | _ | | | |
| _ | 9 | - | - | _ | | _ | | | - | Н |
| | 10 | Ē | Η_ | | | | _ | - | _ | Н |
| | 10 11 12 | - | | | - | | | | | Н |
| | 12 | 1 | J | - | H | H | Н | | \vdash | Н |
| | 12 | -/- | 1 | ├- | - | \vdash | \vdash | <u> </u> | - | Н |
| | 13 14 15 16 17 18 19 20 | 1 | 7 | - | H | | _ | <u> </u> | | Н |
| | 14 | | ٧, | | <u> </u> | - | <u> </u> | \vdash | Ь— | $\vdash\vdash$ |
| | 15 | 1 | 7 | \vdash | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | \vdash |
| | 16 | ļΫ́ | Ÿ | <u> </u> | <u> </u> | <u> </u> | ļ | <u> </u> | <u> </u> | Ш |
| | 17 | | | L | L. | | | | | Ш |
| | 18 | 1 | 1 | <u> </u> | L_ | L | | | | Щ |
| | 19 | L | | | L | | | | | Ш |
| | 20 | | | | | | | | | |
| | 21 22 23 24 25 26 | | Г | | | | | | | |
| | 22 | | | | | | | | | П |
| | 23 | | | | | | | | | |
| | 24 | 1 | | | | | Г | | | |
| | 25 | - | | - | | | _ | | Г | |
| | 26 | <u> </u> | \vdash | - | \vdash | \vdash | \vdash | \vdash | | Н |
| | 27 | \vdash | \vdash | _ | ╁ | \vdash | \vdash | Н | | Н |
| | 27 28 29 30 | ├ | - | ┢ | - | - | \vdash | \vdash | | Н |
| <u>-</u> | 20 | | | ├─ | ├ | ┝ | ⊢ | | | Н |
| | 20 | ├ | - | ┢ | | | - | \vdash | H | Н |
| <u> </u> | 30 | | | ⊢ | ├— | ┝ | | ⊢ | - | Н |
| | 37 | ⊢ | | | \vdash | \vdash | ├ | - | H | \vdash |
| | 31 32 33 | ├— | ⊢ | | _ | <u> </u> | <u> </u> | ļ — | \vdash | \vdash |
| ļ | 33 | L | _ | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 34 | \vdash | <u> </u> | _ | <u> </u> | \vdash | <u> </u> | \vdash | <u> </u> | \vdash |
| | 35 36 | $oxed{oxed}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _ | L- | | L | <u> </u> | <u> </u> | Ш |
| | 36 | $oxed{oxed}$ | _ | <u> </u> | L | L | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 37 | <u> </u> | $oxed{oxed}$ | L | <u>L</u> | | | <u> </u> | <u> </u> | Ш |
| | 38 39 | | | | | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$ | | |
| | 39 | | | | | | | L | L | |
| | 40 | | | | | | | | | |
| | 41 | | | | | Π | | | | |
| | 42 | 1 | Г | | | | Γ | | | |
| | 43 | | | | \vdash | | | Г | П | |
| | 44 | 1 | T | \vdash | \vdash | <u> </u> | _ | T | ऻऻ | |
| | 45 | t | | \vdash | \vdash | | \vdash | \vdash | | 1 |
| | 46 | | | \vdash | ╁ | - | | \vdash | \vdash | 1 |
| | 47 | - | - | \vdash | \vdash | - | | - | \vdash | ├ |
| | 48 | + | ├ | | \vdash | - | ├ | 1— | \vdash | +- |
| <u> </u> | | | ├ | ├- | \vdash | \vdash | — | \vdash | | \vdash |
| <u> </u> | 49 | ļ | ⊢ | | ₩ | — | <u> </u> | <u> </u> | | H |
| L | 50 | 1 | | | | | L | 1 | l | |

| Cla | Claim | | | Date | | | | | | | | | | | | | |
|--------------|----------|--------------|----------|----------------|--|----------|---------------|--|--|--------------------|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| | Original | | | | | | | | | | | | | | | | |
| Final | ij | | | | | | | | | | | | | | | | |
| " | ō | | | | | | | | | | | | | | | | |
| | E4 | - | _ | | - | \dashv | - | | \vdash | _ | | | | | | | |
| | 51 | | _ | | _ | | | | | | | | | | | | |
| <u> </u> | 52 | | | | | - | _ | | | | | | | | | | |
| | 53 | | _ | | Щ | | | | - | | | | | | | | |
| | 54 | | | | | | | | | | | | | | | | |
| | 55 | | | | | | | | | | | | | | | | |
| L | 56 | | | | | | | | | | | | | | | | |
| | 57 | | | | | | | | | | | | | | | | |
| | 58 | | | | | | | | | | | | | | | | |
| | 59 | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | |
| | 61 | | | | | | | | | | | | | | | | |
| | 62 | | | | | П | | | П | | | | | | | | |
| | 63 | | | | Г | П | | | H | | | | | | | | |
| | 64 | \vdash | | _ | \vdash | Н | | | \vdash | | | | | | | | |
| | 65 | \dashv | | _ | \vdash | Н | | | Н | | | | | | | | |
| | 66 | \vdash | | \vdash | - | H | | | Н | | | | | | | | |
| — | 67 | \vdash | | - | - | \vdash | | _ | | | | | | | | | |
| - | 60 | | | - | ├ | \vdash | | | Н | | | | | | | | |
| <u> </u> | 68 | \vdash | | | <u> </u> | _ | | | | | | | | | | | |
| <u> </u> | 69 | | | L. | _ | | | | | | | | | | | | |
| <u> </u> | 70 | | | | L | | | | _ | | | | | | | | |
| | 71 | | | _ | _ | | | | | | | | | | | | |
| | 72 73 | Щ | | | | | | | | | | | | | | | |
| | 73 | | | | | L_ | | | | | | | | | | | |
| | 74 | | | | | | | | | | | | | | | | |
| | 75 | | | | | | | | | | | | | | | | |
| | 76 | | | | | | | | | | | | | | | | |
| | 77 | | | | | | | | | | | | | | | | |
| | 78 79 | | | | | | | | | | | | | | | | |
| | 79 | | | | | Г | | | | | | | | | | | |
| | 80 | | | _ | _ | | | | | | | | | | | | |
| | 81 | | | _ | _ | | | | | | | | | | | | |
| | 82 | _ | | | \vdash | | $\overline{}$ | | | - | | | | | | | |
| - | 83 | | | _ | - | \vdash | | | | | | | | | | | |
| \vdash | 84 | Н | | \vdash | | \vdash | Н | | - | ┢┈ | | | | | | | |
| - | 85 | H | | \vdash | ⊢ | - | \vdash | | \vdash | \vdash | | | | | | | |
| | 86 | Н | - | \vdash | \vdash | \vdash | \vdash | <u> </u> | \vdash | - | | | | | | | |
| - | 86 87 | H | | ├- | ├- | - | H | | \vdash | - | | | | | | | |
| | 0/ | | | | | \vdash | <u> </u> | | - | <u> </u> | | | | | | | |
| <u> </u> | 88 | | | | ├— | - | <u> </u> | | - | \vdash | | | | | | | |
| - | 89 | Ш | | | | - | - | | | <u> </u> | | | | | | | |
| | 90 | Щ | <u> </u> | - | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | | | | | | | |
| | 91 | L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | | | | | | | |
| | 92 | Ш | L. | <u> </u> | _ | <u> </u> | <u> </u> | L. | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | | | | | | | |
| L | 93 | $oxed{oxed}$ | | L. | <u> </u> | | L_ | L. | L_ | | | | | | | | |
| | 94 | | | <u> </u> | L | | <u> </u> | | L | <u> </u> | | | | | | | |
| | 95 | | | | | | <u> </u> | ــــــــــــــــــــــــــــــــــــــ | <u> </u> | $oxedsymbol{oxed}$ | | | | | | | |
| | 96 | | | | | Ĺ | L | | | | | | | | | | |
| | 97 | | | | | | | | | | | | | | | | |
| | 98 | | | | Π | Г | | | | | | | | | | | |
| | 99 | | | | | Г | | | | T | | | | | | | |
| \vdash | 100 | | \vdash | \vdash | \vdash | ┰ | _ | \vdash | \vdash | ┢ | | | | | | | |

| Clair | n | | | | | Date |) | | | | Cla | im | | | | Dat | <u>e</u> | | | | Cla | aim | | | | Date | ; | | _ | |
|-----------|-----|--------------------|------------------|--------------|----------|--------|----------|----------|---------------------|--------|----------|----------|-----------------------|---------|---------|--------------|-----------|---------------|---------------|---|----------|----------|---------|---------|--|--------------|---------------|----------|----------|----------|
| \neg | _ | 1/8/06 | 7/4/06 | | | | | | | | Final | Original | | | | | | | | | Final | Original | | | | | | | | |
| | | - | | | | | | | | | | | | 1 | _ | L | Ц | _ | _ | _ | | | | | L | | \Box | \perp | \dashv | |
| _ | 1 | ٠ | <u> -</u> | Ш | | Щ | | | _ | _ | | 51 | | _ | 4 | 4 | Ш | _ | | _ | Ш | 101 | | | _ | | _ | 4 | _ | |
| \perp | 2 | - | <u> -</u> | Ш | | Ц | | _ | | | | 52 | | 4 | _ | ↓_ | Ш | _ | 4 | _ | | 102 | _ | 4_ | _ | | _ | 4 | \dashv | |
| _ | 3 | - | Ŀ | | | | | _ | | _ | | 53 | | 4 | _ | _ | Ш | _ | _ | _ | | 103 | _ | | _ | Ш | | _ | \dashv | |
| | 4 | - | Ŀ | | | | | _ | | _ | | 54 | _ | \perp | \perp | 1_ | \sqcup | _ | \dashv | _ | | 104 | _ | \bot | _ | | _ | _ | _ | _ |
| _ _ | 5 | - | Ŀ | Ш | | | | _ | | _ | | 55 | _ | | \perp | \perp | \sqcup | _ | \dashv | _ | | 105 | | | lacksquare | Ш | _ | _ | _ | _ |
| \perp | 6 | - | - | Ш | | \Box | \Box | _ | | _ | <u> </u> | 56 | \perp | 4 | _ | \bot | Ш | _ | _ | _ | \vdash | 106 | | | _ | Ш | | 4 | _ | _ |
| | 7 | - | <u> -</u> | Ш | | | _ | \dashv | | _ | \perp | 57 | \perp | 4 | 4 | | \square | _ | _ | _ | | 107 | | | <u> </u> | \sqcup | _ | \dashv | \dashv | \dashv |
| _ | 8 | - | <u> -</u> | L | | | _ | _ | _ | _ | | 58 | \perp | _ | _ | 1 | | | - | 4 | | 108 | + | _ | <u> </u> | | | 4 | 4 | _ |
| _ _ | 9 | ٠ | - | Ш | | Щ | | _ | _ | _ | | 59 | | 4 | 4- | 1 | \sqcup | _ | _ | | | 109 | _ | _ | _ | Ш | _ | | \dashv | _ |
| | 10 | - | Ŀ | Ш | | \Box | | | | 4 | | 60 | _ | 4 | _ | 1 | 1 | _ | 4 | _ | | 110 | _ | | <u> </u> | Ш | _ | - | 4 | |
| | 11 | - | <u> </u> - | | | | | | _ | _ | | 61 | | 4 | _ | + | \sqcup | \dashv | \dashv | | \vdash | 111 | + | + | <u> </u> | - | - 4 | _ | - | _ |
| | 12 | 1 | 1 | Ш | | Щ | Ш | | _ | _ | L | 62 | <u> </u> | 4 | \bot | 1 | \vdash | \dashv | \dashv | _ | | 112 | \perp | + | | | \rightarrow | | _ | |
| _ | 13 | 1 | 1 | Ш | | | | _ | | 4 | \perp | 63 | \vdash | _ | 4 | 1 | \sqcup | _ | _ | _ | - | 113 | _ | — | ↓ | \square | | _ | \dashv | |
| | 14 | 1 | 1 | Щ | | | Щ | _ | _ | _ | | 64 | \vdash | 4 | _ | 4_ | \sqcup | _ | _ | | | 114 | _ | _ | <u> </u> | \sqcup | | _ | 4 | |
| | 15 | 1 | 1 | Ш | | \Box | Ш | | 1 | | | 65 | \sqcup | 4 | 4 | 4 | \sqcup | 4 | _ | _ | | 115 | \perp | \bot | <u> </u> | | | _ | 4 | _ |
| | 16 | 1 | 1 | Ш | | Ш | Ц | | \sqcup | _ | | 66 | \perp | \perp | 4 | 1 | Ш | _ | _ | _ | <u> </u> | 116 | _ | | <u> </u> | | \sqcup | \dashv | \dashv | _ |
| | 17 | 7 | 1 | Ш | | | Ш | | \perp | _ | <u> </u> | 67 | \perp | _ | | ┸ | 1 | _ | _ | _ | | 117 | _ | | - | | | _ | \dashv | _ |
| | 18 | 7 | 1 | | | | \Box | _ | | _ | <u></u> | 68 | \perp | _ | 4 | _ | \bot | _ | _ | _ | | 118 | | | ļ | | | \dashv | _ | _ |
| | 19 | | L | Ш | | | Ц | _ | \perp | _ | | 69 | \perp | 4 | | ļ | | _ | _ | _ | | 119 | \perp | | <u> </u> | | | _ | 4 | |
| | 20 | | L | | | | | _ | \dashv | _ | <u> </u> | 70 | \perp | _ | _ | ↓_ | \sqcup | _ | _ | _ | <u> </u> | 120 | _ | _ | _ | | | _ | _ | |
| | 21 | | L. | | | Ш | | | | _ | L | 71 | | \perp | | 1 | 1 | _ | | _ | L | 121 | _ | \bot | <u> </u> | | | _ | _ | _ |
| \perp | 22 | | | Ш | | Ш | Ш | | | _ | L | 72 | \sqcup | \perp | ┸ | ↓_ | 1-1 | _ | _ | _ | | 122 | | - | ļ | | _ | _ | 4 | _ |
| | 23 | | | | | | Ц | _ | \perp | _ | L | 73 | | _ | _ | ╀- | 1_1 | _ | | _ | | 123 | _ | | ļ_ | Ш | \Box | \dashv | \dashv | _ |
| _ | 24 | | L | | | | | _ | | _ | | 74 | \perp | _ | | ┸ | Ш | | | | | 124 | \perp | | ㄴ | Ш | _ | \dashv | \dashv | _ |
| | 25 | | <u> </u> | | | | | _ | \perp | _ | <u> </u> | 75 | \perp | _ | | \perp | Ш | 4 | _ | _ | ļ | 125 | | - | 1_ | | | _ | - | |
| | 26 | | | | | Ш | | _ | | _ | ļ | 76 | | \perp | | \perp | Ш | _ | _ | | <u> </u> | 126 | | - | 1_ | | | _ | _ | _ |
| | 27 | | | | | Ш | Ш | _ | | _ | <u></u> | 77 | \perp | \bot | _ | ╄ | \sqcup | _ | _ | _ | | 127 | \perp | \perp | _ | Ш | | _ | _ | _ |
| | 28 | | <u> </u> | | | Ш | | | \perp | _ | ļ | 78 | \perp | 1 | _ | ↓_ | Ш | _ | \dashv | | <u></u> | 128 | | _ | ļ | | \Box | 4 | _ | _ |
| | 29 | | <u> </u> | | | | | _ | | _ | <u></u> | 79 | \perp | 4 | _ | \bot | Ш | _ | \rightarrow | | L | 129 | | _ | <u>. </u> | | | _ | _ | _ |
| | 30 | | L | | | Ш | | _ | | _ | <u> </u> | 80 | \perp | \perp | \bot | ┸ | Ш | _ | _ | | <u> </u> | 130 | _ | _ | <u> </u> | | | _ | _ | |
| | 31 | | L | | | Ш | | | \Box | _ | ļ | 81 | _ | _ | | _ | Ш | _ | _ | _ | | 131 | _ | _ | <u> </u> | Ш | \Box | | _ | |
| | 32 | _ | $oxed{oxed}$ | Ш | | Ш | Ш | | \sqcup | _ | | 82 | \vdash | \perp | \perp | \perp | \sqcup | ļ | | _ | <u> </u> | 132 | _ _ | _ | ┞- | Ш | Щ | 4 | _ | |
| | 33 | L | $oxed{oxed}$ | Ш | | Ш | Ш | | | _ | \vdash | 83 | \sqcup | \perp | _ | 丄 | Ш | | | _ | ļ | 133 | | \perp | $oldsymbol{oldsymbol{\perp}}$ | Щ | Ш | \dashv | _ | |
| | 34 | | $ldsymbol{oxed}$ | | | Ш | Ш | _ | | _ | <u> </u> | 84 | \sqcup | \perp | \bot | 丄 | Ш | | _ | _ | | 134 | _ | Ц. | ــــــــــــــــــــــــــــــــــــــ | Щ | | _ | _ | |
| \perp | 35 | _ | lacksquare | Ш | | Ш | Ш | _ | \sqcup | _ | | 85 | \sqcup | _ | _ | \perp | Ш | _ | 4 | _ | | 135 | \perp | 4_ | \vdash | Щ | | _ | _ | ᆜ |
| | 36 | | <u> </u> | | | Ш | | | | _ | | 86 | | \perp | \bot | | L | | _ | _ | | 136 | | | 上 | Ш | | _ | _ | |
| | 37_ | | $oxed{oxed}$ | Щ | | Ш | Ш | | \Box | _ | | 87 | $\perp \perp$ | | \bot | ╄ | Ш | \rightarrow | \rightarrow | _ | | 137 | _ | _ _ | \vdash | Ш | \sqcup | _ | _ | |
| | 38 | | _ | Ш | | Ш | Ш | | \Box | | | 88 | $\sqcup \!\!\! \perp$ | | | \perp | Ш | \perp | _ | | | 138 | \perp | | 1 | | Ш | _ | | [|
| \bot | 39 | <u> </u> | oxdot | Ш | | Ш | Ш | | Ц | _ | | 89 | $\sqcup \bot$ | | 1. | \perp | \sqcup | | | | | 139 | | \bot | 4 | | Щ | _ | _ | Į |
| | 40 | <u> </u> | oxdot | | | Ш | Ш | | $\sqcup \downarrow$ | _ | | 90 | \vdash | \perp | \bot | \perp | \perp | | | _ | <u> </u> | 140 | | | L | Ш | Щ | _ | _ | _ |
| \Box | 41 | <u> </u> | L | | | Ш | Ш | | | | | 91 | | \perp | \perp | \bot | Ш | | | _ | | 141 | | | ــــ | Ш | Щ | | \dashv | |
| | 42 | $oxedsymbol{oxed}$ | ┖ | | | Ш | Щ | | Ц | _ | | 92 | \sqcup | \bot | \perp | \perp | Щ | | | _ | <u></u> | 142 | | _ | 1 | Ш | \sqcup | _ | _ | |
| \perp | 43 | <u> </u> | _ | | <u> </u> | Ш | Ш | | Ш | _ | <u> </u> | 93 | \sqcup | _ | \bot | ↓_ | \sqcup | _ | _ | _ | | 143 | _ | _ | 1 | Ш | Щ | | _ | |
| | 44 | L | \perp | | | Ш | Ш | | Ц | | | 94 | \sqcup | 4 | 4 | _ | \sqcup | _ | | | | 144 | _ | _ | _ | Ш | Щ | _ | \dashv | \dashv |
| \perp | 45 | <u> </u> | _ | L | _ | Ш | Ш | | Ц | | | 95 | \sqcup | _ | | 1_ | _ | | | _ | <u> </u> | 145 | | _ | \perp | Ш | Щ | _ | _ | |
| | 46 | <u> </u> | <u> </u> | $oxed{oxed}$ | | Ш | Ш | | Ц | | | 96 | \sqcup | \perp | \perp | \bot | \perp | \perp | \dashv | _ | <u> </u> | 146 | | | $oxed{oxed}$ | Ш | | | _ | _ |
| _ | 47 | | <u> </u> | | _ | Ш | Ш | | \sqcup | \Box | <u></u> | 97 | $\sqcup \bot$ | _ | | \bot | | \dashv | | | | 147 | \perp | | ـــــ | Ш | | | | |
| \perp | 48 | <u>_</u> | <u>L</u> | Ш | | Ш | \sqcup | | \sqcup | _ | ļ | 98 | | _ | \perp | | \perp | Ц | | | <u></u> | 148 | | \bot | \perp | $oxed{oxed}$ | Ш | _ | | |
| | 49 | ļ | L | | | Ш | \sqcup | | Ш | _ | <u></u> | 99 | $\sqcup \bot$ | _ | \perp | \perp | \perp | | | | <u> </u> | 149 | _ | \bot | $oldsymbol{\perp}$ | oxdot | | _ | _ | |
| \perp L | 50 | | <u>L</u> _ | L | | | | | | | | 100 | <u>L</u> L | | 丄 | L | <u>L</u> | Ш | | | | 150 | | | | | L | | | لــــا |